

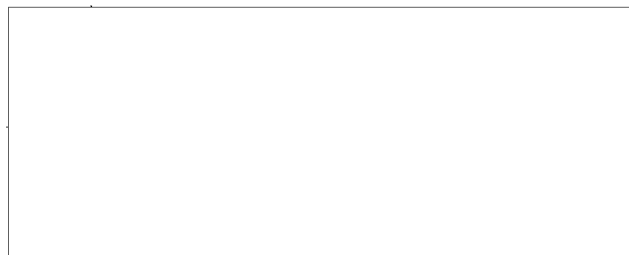
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FINAL REPORT

CONTRACT RD-77, TASK ORDER H

25X1

REPORT NO. 518  
10 FEBRUARY 1960

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FINAL REPORTS

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FINAL REPORT

CONTRACT RD-77, TASK ORDER H

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**SECRET****Report No. 518****10 February 1960**

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**FINAL REPORT**  
**CONTRACT RD-77, TASK ORDER H**

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**I**                    **INTRODUCTION**

Presented herein is the final report covering the performance of Task Order H, under the terms and conditions of Contract No. RD-77. The scope of work for this Task Order was to provide modifications and improvements in an Identification Kit to include the following details:

1.        Addition of forty-five (45) new foils and new facial characteristics. These foils to include double notching and notch position indications.
2.        The printing and furnishing of a maximum quantity of one hundred (100) handbooks, having an improved quality of readability, utilizing a larger format to provide bigger and improved images.
3.        Conversion of one Hadley Filing Tray to an Identi-Kit Carrying Case.
4.        Conversion of one portable typewriter case to an Identi-Kit Carrying Case.

This technical report is classified as secret because it mentions the contract number and task order under which the work was performed.

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II DISCUSSION

An evaluation of the Identification Kits previously furnished had shown there were several possibilities of improving the performance of the kit by modifications to components.

There was a possibility of reducing the number of foils in each kit, but the decision as to which foils would be eliminated was to be based on further tests and evaluation. It had been found that the light (blonde) hair lines could possibly be eliminated as they did not afford a great deal of advantage in identification. It was also felt that there would be required certain additional foils to make the set more universal. As a minimum, these were (1) a hairline foil in which no sideburn was present, and which is referred to as an old country hair style; (2) a foil in which the hairline indicates hair parted directly across the top of the head to cover up a relatively large bald area; (3) foils for several European type mustaches and beards; (4) foils showing a widow's peak capable of being overlaid on other hairlines; (5) a foil showing a chin cleft.

Experience had shown that much of the skin color cards of the kit were superfluous and only one skin color card was needed. More foils for headgear such as turbans, skull caps, fur caps, and Tyrolean hats were also needed, as well as some typical women's hair styles in accordance with seven basic types drawn and furnished by the customer. Likewise, a nose tip elongation foil and a few blank films were needed, plus a grease pencil for freehand sketching in the field. With respect to the foils, it was set forth

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that, because of lack of symmetry of the human face, all foils should be notched on both sides for easy interchange from right to left hand; and there should be indicators on or along-side of the notches so that it could be readily observed as to whether the foil was above or below its normal pegged position.

The shape and the size of the current carrying case was believed to be such as to make it suspicious in the field, sufficient to cause attention and curiosity. It was believed desirable to consider a redesign of a carrying case to avoid its attention-getting shape and to render it more capable of fitting into the background; a small portable typewriter case could be used in place of the present design, since such items were normally carried while traveling and would not create undue attention. In a similar manner, it was suggested that a simple file box could be readily used in the office. Preferably, this simple file set could possibly fit within a conventional brief case without bulging.

One criticism of the existing case lay with the foil holders in that the foils did not project sufficiently above the metal dividers for efficient handling. It was requested that a hold-down clip or clips be provided so that the foils would remain on the tray and not jar loose.

Finally, there was some criticism of the handbook. It was the operator's experience that the photographs in the handbook did not accurately resemble the foils. This difference was believed to be due to the difference

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in size between the foils and the handbook. Consideration was to be given to rearrangement of the handbook and to a change in size and format to provide a more readable, closer resemblance to the foils.

Our own investigation had shown that a great portion of the image detail loss occurred as a result of the large degree of reduction of image required to bring the handbook down to a size adequate to fit the earlier kits. The redesign of the carrying case would allow the utilization of a larger handbook and thus much of this criticism could be avoided.

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**III DESCRIPTION**

The sketch, Figure 1, shows our proposed conversion of a Hadley Filing Tray to an Identi-Kit Carrying Case. The drawing P/N 100936 in the appendix presents the actual conversion of this item to a carrying case. The catalog sheet, Figure 2, shows the Hadley "Unique Posting Unit" or file tray used; this was their Stock Number 64-4053, a posting tray 9-1/2" x 12" x 4" in overall size. The drawing 100936 is an assembly of the foil or card retainer which was fitted into the posting tray. The foil groups were retained, side by side, in this insert and each group separated by sheet metal dividers. The file tray itself was cut down from its 9-1/2" height to approximately 6.10 inches in order to fit the dimensions of the card retainer. The sides were removed by cutting off the hinge and bracket rivets. They were then shortened to the 6.1 inch dimension and new rivet holes drilled using the old cut-off segment as a template. No other modifications of the file tray, other than drilling mounting holes, were found necessary.

Figures 3 and 4 show the proposed typewriter case kit. In order to adapt the Olympia Typewriter Case, it was necessary to provide two assemblies--one, the foil holder assembly shown in Drawing 100849; and the other, the make-up tray assembly shown in Drawing 100850.

The sheet plastic back of the typewriter case was removed and the plate, 100782, was bonded to the case itself. The plastic was then replaced and covered this plate. The file holder was held on the plate by means of the two protruding screws. It was attached with AN350-632 wing nuts.

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This made it possible to utilize the holder assembly separately and away from the typewriter case. A hinge was placed on one end of the holder assembly and fastened to the base of the typewriter case in order to hold the unit open at 90° and locked in a working position. The photographs illustrate the various arrangements of the Olympia Case conversion, as fabricated.

A portion of the inside plastic cover of the Olympia Case was removed and the base tray, P/N 100783, was bonded to inside base. The plastic cover was then replaced. The make-up tray, P/N 100784, is friction fitted to this base tray so that it can be removed and used separately. The new catalog, furnished under this same Task Order, was stored in the space between the base and the make-up tray. The Drawing 100850 shows the entire make-up tray assembly. Please note that the original item was not fabricated in accordance with the drawing. It was shorter, being approximately 10.25 inches, and did not include the plastic retainers on the locating pins of the make-up tray. The drawings were changed to reflect improvements developed during this program and available for future production.

The table, Figure 5, shows the list of foils that were furnished as part of the Task Order. Thirty sets of foils were furnished, each set comprising three age lines, one set of glasses, seven beards, four chinlines, fourteen hats, and twenty-two hairlines, for a total of fifty-one new foils.

Originally, the Task Order had called for thirty foils; this was later increased to forty-five. In selecting the art work for these foils, we wound up with approximately fifty-six characteristics; of these, fifty-one

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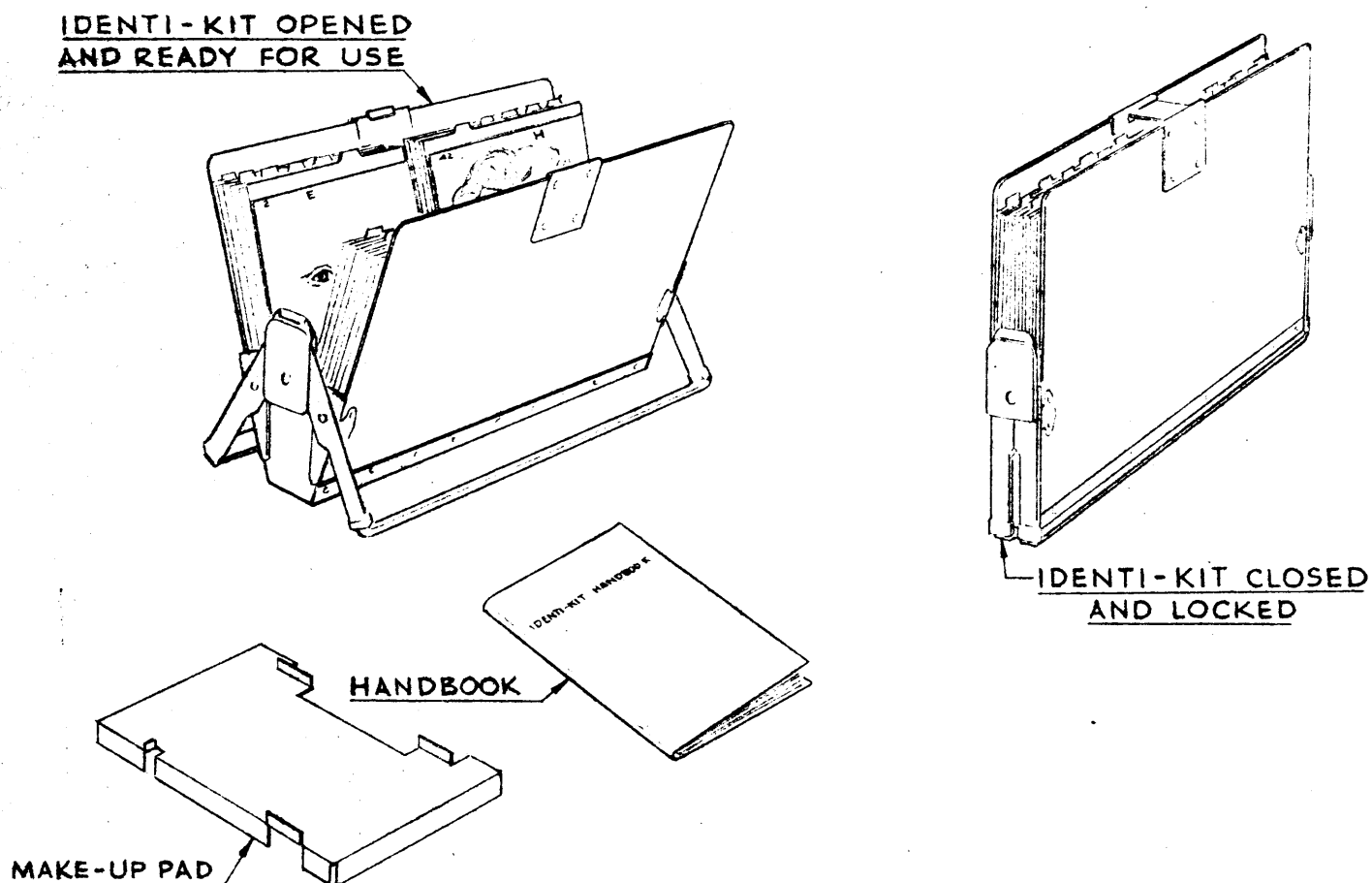
were selected as suitable for field use. This accounts for the gaps in the numbering system. The two particular hairline characteristics missing were the jelly-roll type haircuts indigenous to California and affected by teen age groups.

The entire foil reproduction process was photographic in nature. The time and cost element for this small quantity (30 sets) did not make it feasible to utilize printing plates and the printing method now in use by the contractor for commercial reproduction.

The new Identi-Kit Handbook was furnished in one hundred (100) copies. It is approximately 10" x 10" overall and consists of two separable sections. The first section was an introduction and discussion of the identification problem and a description of the Identi-Kit method of operation. The second section was the catalog of facial characteristics, a sample sheet of which is included in this report. The characteristics shown in the catalog are identical in size to the Identi-Kit foils. The method of binding the catalog is such that the two sections can be removed and used independently. Additional data and facial characteristics can be added to the second section without destroying the continuity of the handbook.

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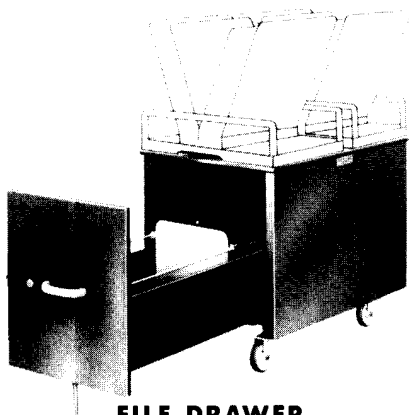


CONVERSION OF HADLEY FILING TRAY TO IDENTI-KIT CARRYING CASE

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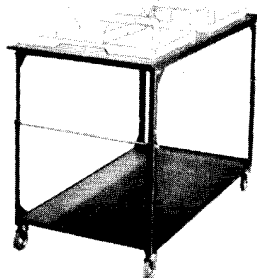
**Figure 1**

# TODD-HADLEY ROLLING EQUIPMENT



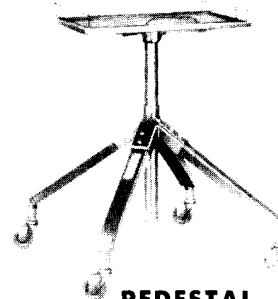
**FILE DRAWER**

Correct height for use by desk. When drawer is pulled out, leg automatically swings down to give extra support . . . retracts when drawer is closed. Unit rolls smoothly on large, rubber-tired, ball-bearing casters.



**TABLE**

Several sizes to accommodate various tray sizes. Adjustable height. Made of sturdy angle steel. Rolls easily on 3-inch, rubber-tired, ball-bearing swivel casters.



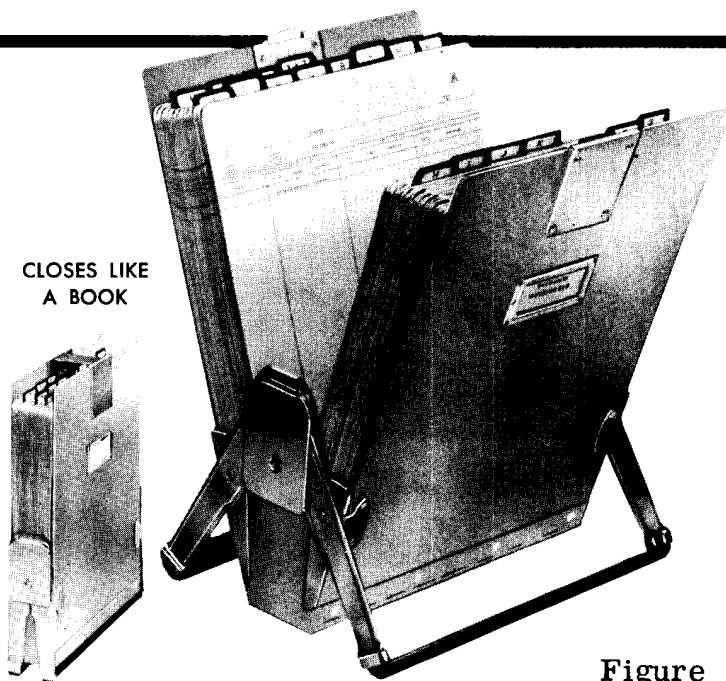
**PEDESTAL**

Fits close to desk or operator because of open base design. Several top sizes. Adjustable to any height from 16 inches to 28 inches. Easy rolling, rubber-tired, 2-inch casters.

## UNIQUE POSTING UNIT

**Ideal for small groups of accounts.** When opened, legs automatically expand and support unit. Closes like a book for easy carrying or filing. No key required. Retracting latch holds unit closed. Hammettone Gray finish. Stainless steel trim.

CLOSES LIKE  
A BOOK



**Figure 2**



**Burroughs  
Corporation**

THE TODD COMPANY DIVISION  
ROCHESTER 3, NEW YORK

In Canada supplied by The Todd Company of Canada Limited



*Hadley*

# SPEED POSTING TRAY

## NEW

3-position  
ratchet

## NEW

streamlined  
guard rails

## NEW

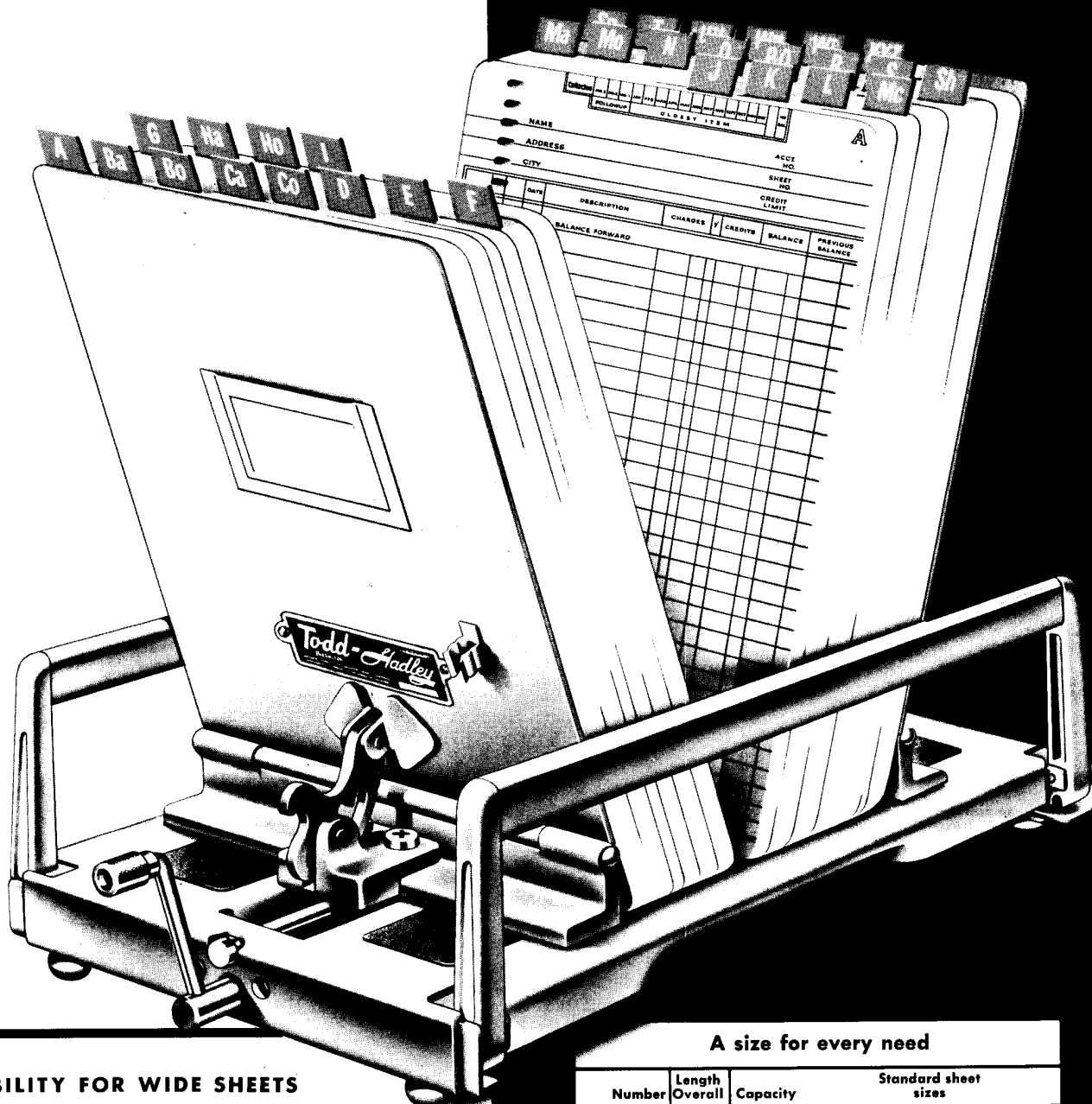
recessed  
floor

## NEW

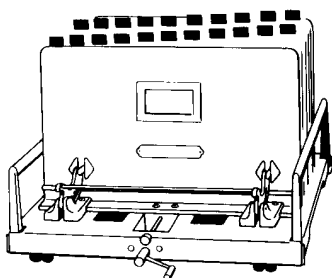
lighter,  
stronger  
construction

## NEW

convenient  
handle  
holder



## EXTRA STABILITY FOR WIDE SHEETS



Double ratchets are standard equipment on all sheet supports 14 inches or wider.

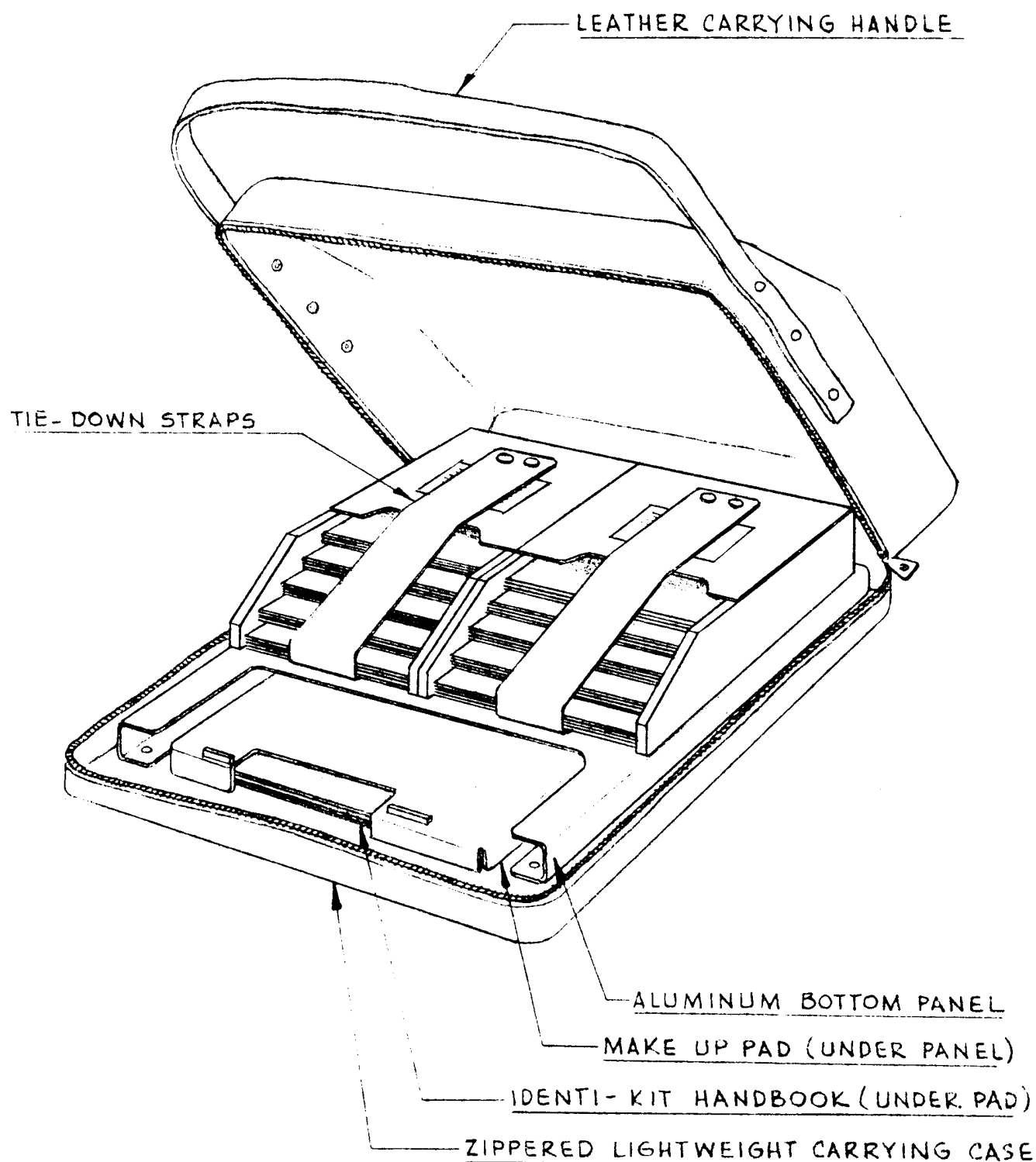
## A size for every need

Number	Length Overall	Capacity	Standard sheet sizes
1079	10"	6¾"	4½x11, 5x8, 6x8½
1479	14"	10¾"	6x9½, 6x10, 6x11, 6¼x11
1979	19"	15¾"	6½x9½, 6½x11, 7x11
2279	22"	18¾"	7½x11, 8x10, 8x11, 8½x11
			9x11, 9½x11, 9¾x11
			11x11, 12x12, 14x11
			14x12, 17x12

Trays can be furnished for other sheet sizes at slight additional cost.

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CQR 1359



LIGHTWEIGHT "IDENTI-KIT"

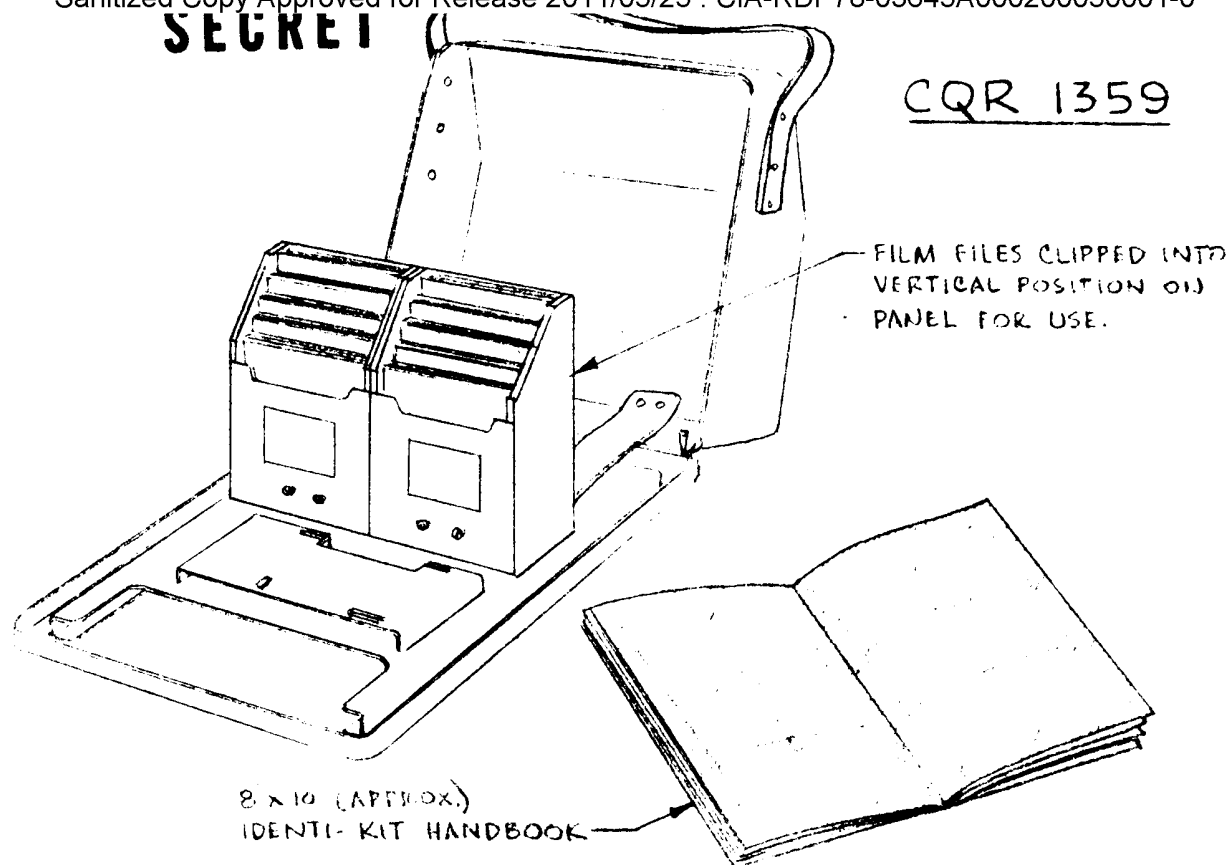
**SECRET**

**Figure 3**

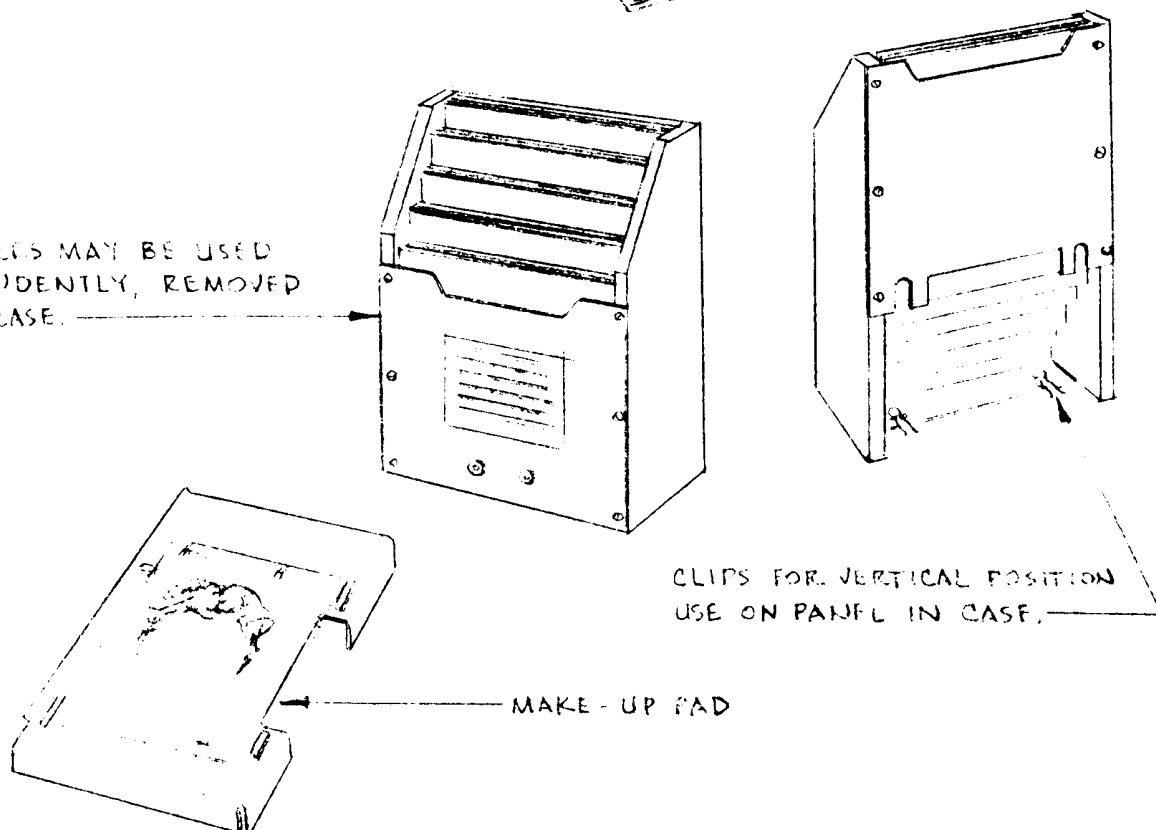


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CQR 1359



FILM FILES MAY BE USED INDEPENDENTLY, REMOVED FROM CASE.



LIGHTWEIGHT "IDENTI-KIT"

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**Figure 4**

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**LIST OF FOILS FURNISHED**

<b>A24</b>	<b>G10</b>	<b>H103</b>	<b>H121</b>
<b>A25</b>		<b>H104</b>	<b>H122</b>
<b>A26</b>	<b>T13</b>	<b>H105</b>	<b>H123</b>
	<b>T15</b>	<b>H106</b>	<b>H124</b>
<b>B19</b>	<b>T16</b>	<b>H107</b>	<b>H125</b>
<b>B20</b>	<b>T17</b>	<b>H108</b>	<b>H126</b>
<b>B21</b>	<b>T18</b>	<b>H109</b>	
<b>B22</b>	<b>T19</b>	<b>H110</b>	
<b>B23</b>	<b>T20</b>	<b>H113</b>	
<b>B24</b>	<b>T21</b>	<b>H114</b>	
<b>B25</b>	<b>T22</b>	<b>H115</b>	
	<b>T23</b>	<b>H116</b>	
<b>C12</b>	<b>T24</b>	<b>H117</b>	
<b>C19</b>	<b>T25</b>	<b>H118</b>	
<b>C29</b>	<b>T26</b>	<b>H119</b>	
<b>C30</b>	<b>T27</b>	<b>H120</b>	

**SECRET****Figure 5**

D

## EYE BROWS

D



24



59



2



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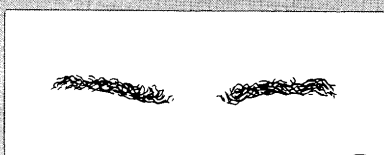
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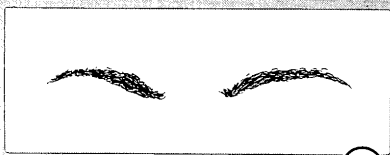
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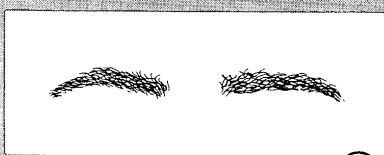
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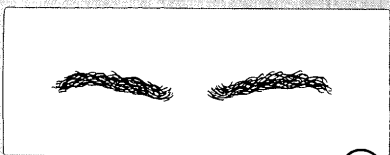
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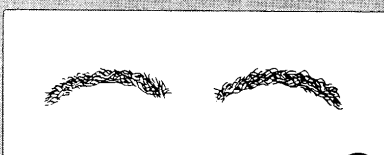
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13



33



11



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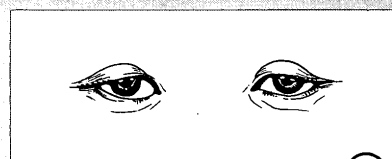
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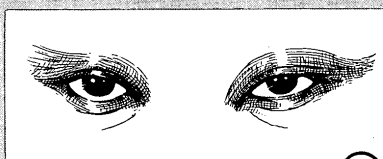
# EYES

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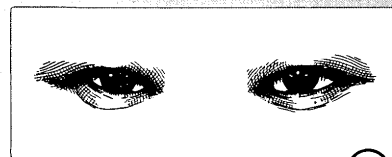
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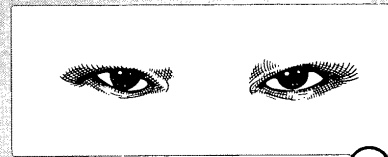
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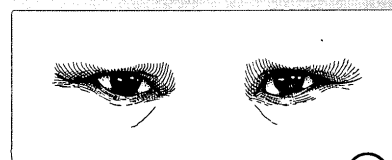
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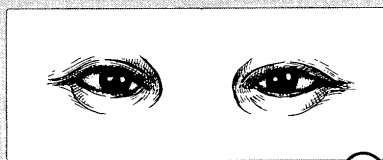
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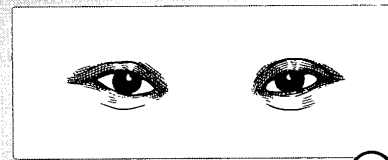
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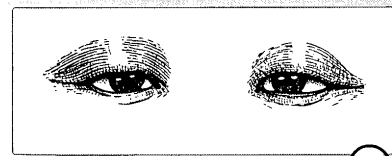
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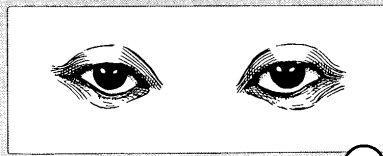
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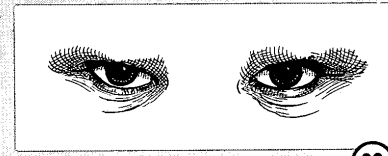
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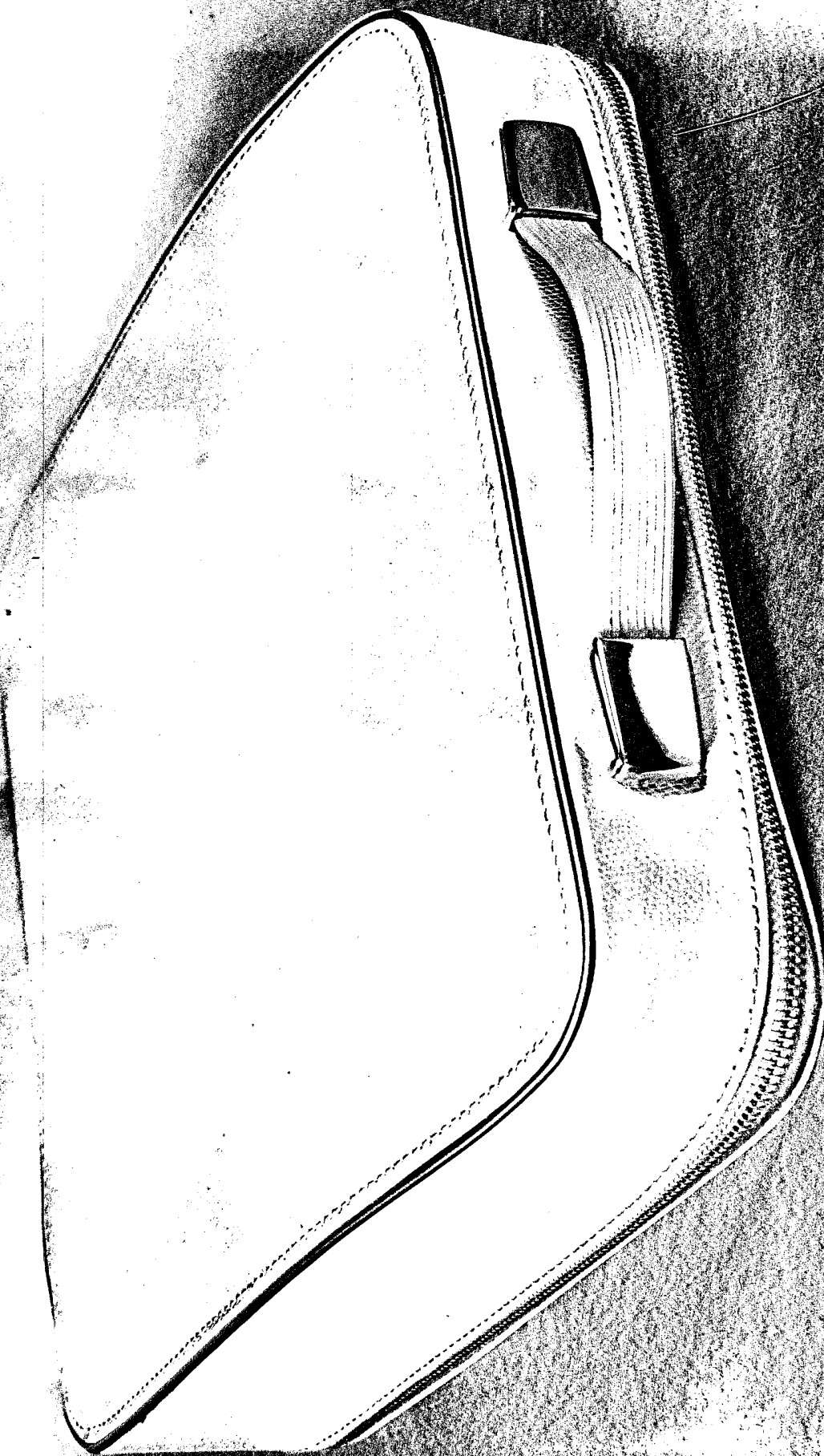


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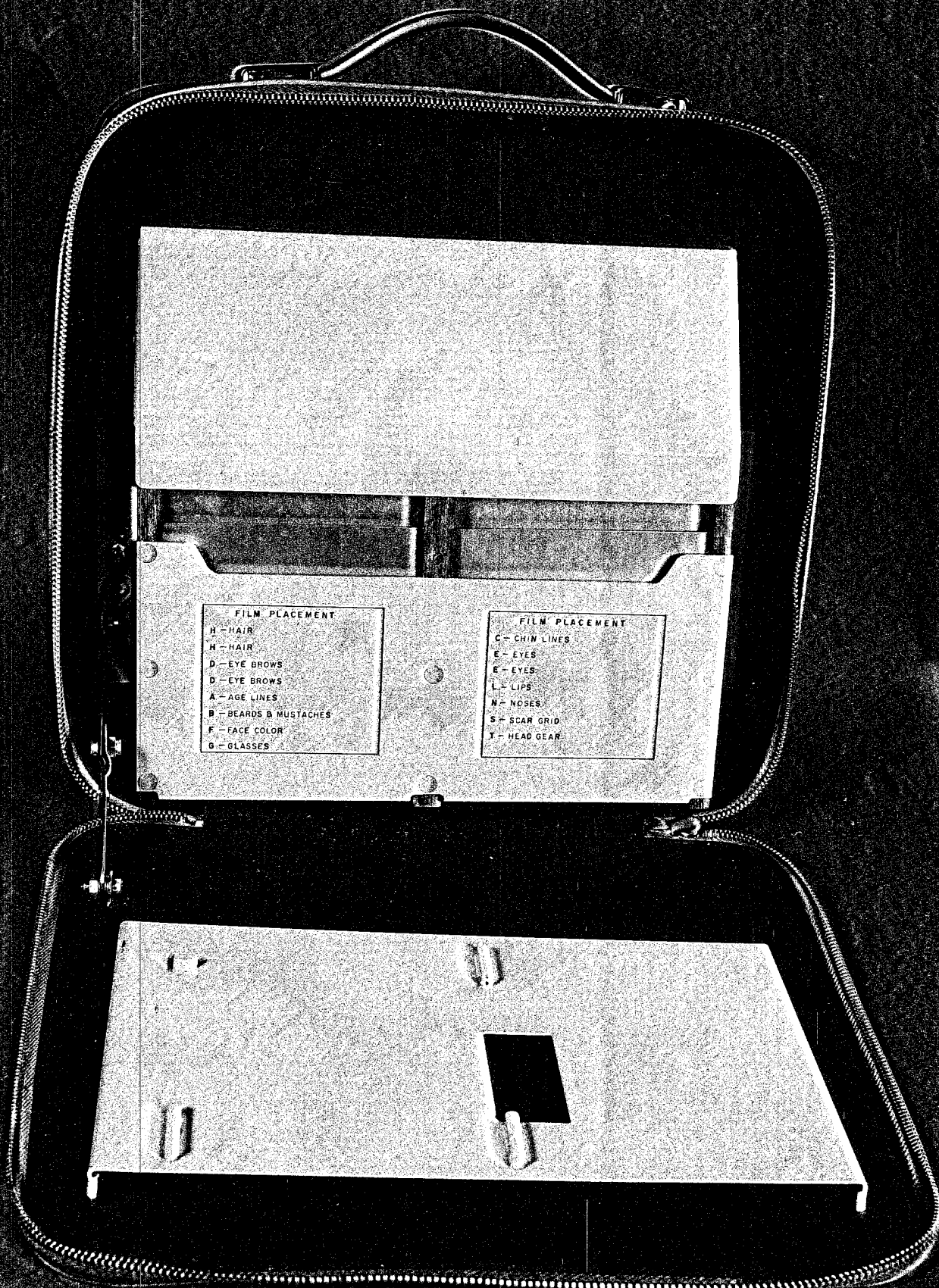


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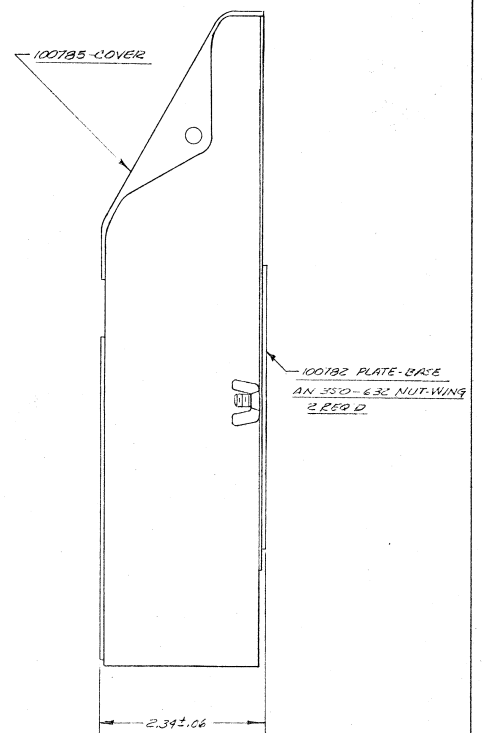
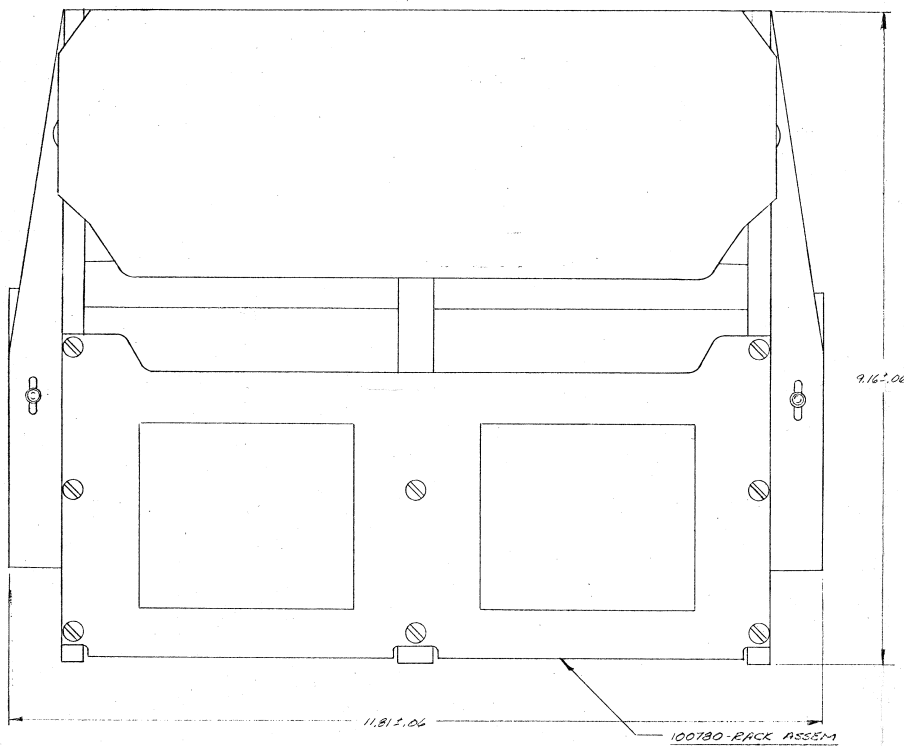










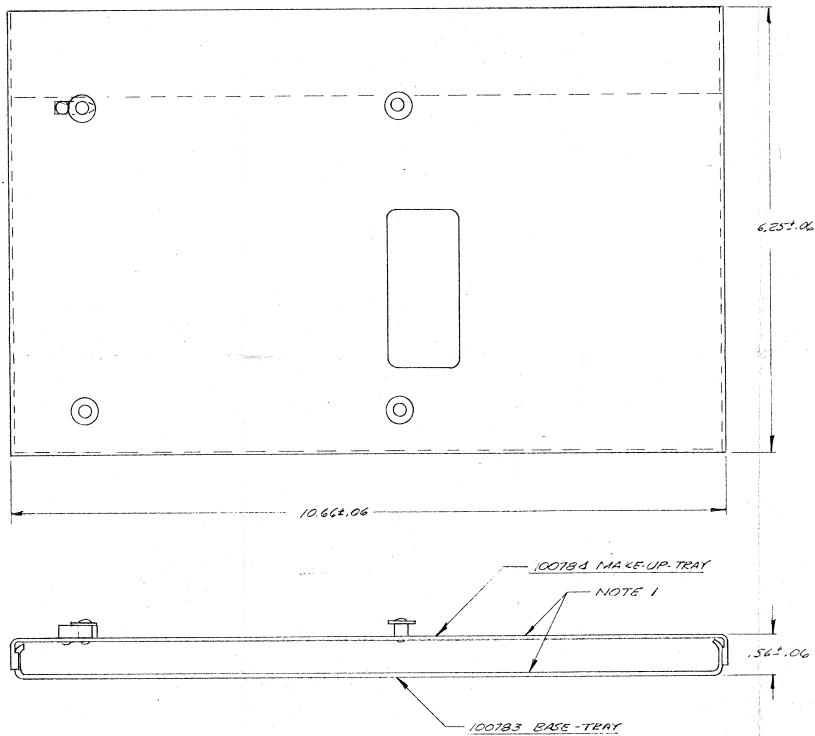


NOTES:  
 1. THIS ASSEMBLY INCLUDES  
 FOILS, NUMBER AND TYPE SHALL  
 BE SPECIFIED BY CUSTOMER'S  
 PURCHASE ORDER  
 2. IDENTI-KIT SPECIFICATIONS  
 PRINTED FOIL IS 1001

FEB 12 1960

PART NUMBER	QUANTITY REQ.	PART NAME	MATERIAL
MATERIAL		FINISH	
DRAWN BY		APPROVED BY <i>ARC</i>	
DATE 9-15-59		SCALE FULL	
NEXT ASSEMBLY		MODEL	
FOIL HOLDER ASSEM.			
DWG SIZE		DWG NO.	
C		100849	
SHEET 1		OF 1	
SHEETS		SHEETS	

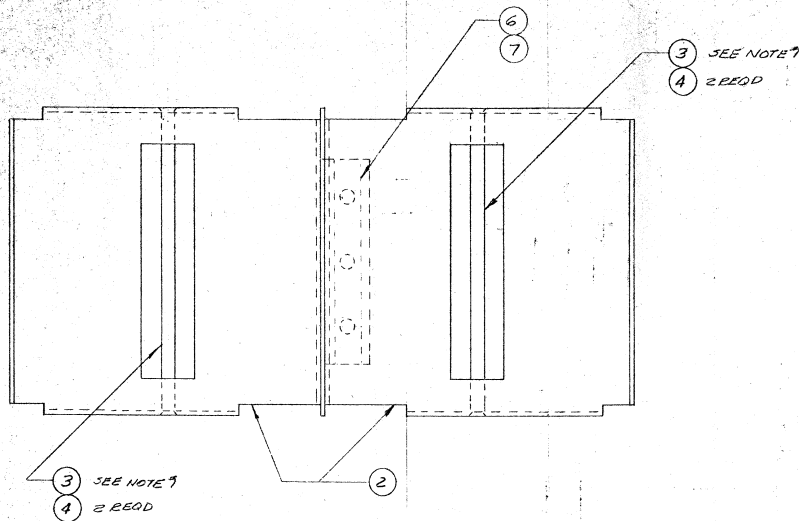
NO.	DATE	REVISIONS	BY
UNLESS SPECIFIED ALL TOLERANCES ARE:			
FRACTIONS 2	DECIMALS 2	ANGLES 2	



NOTES  
1. THESE PARTS TO MATE WITH  
A FRICTION FIT.

FEB 12 1960

PART NUMBER	QUANTITY REQ.	PART NAME	MATERIAL
MATERIAL	FINISH	APPROVED BY	DATE
DATE	SCALE	MODEL	MAKE UP TRAY - ASSEMBLY
NO.	DATE	REVISIONS	BY
UNLESS SPECIFIED ALL TOLERANCES ARE:			
FRACTIONS	DECIMALS	ANGLES	
DWG. SIZE	DWG. NO.	SHEET	OF
C	100850	1	1
ISSUE			



NOTES:  
1. BEFORE INSTALLING, INSERT THE REQUIRED NUMBER OF 100937 DIVIDER-FOIL

FEB 12 1960

PART NO.	NO. REQD.	NAME	SIZE	DESCRIPTION	MATERIAL	SPECIFICATION	HEAT TREAT	FINISH
7	1	RIVET		MS20426AD4-4				
6	1	SPEED NUT		AC082-102				
5	3	RIVET		AN470AD3-5				
4	4	SPRINT		AN507432R4				
3	2	BRIL		100938				
2	2	BASE		100939				
1	1	DIVIDER-CENTER		100940				

PART NO.	NO. REQD.	NAME	SIZE	DESCRIPTION	MATERIAL	SPECIFICATION	HEAT TREAT	FINISH
1	1	DIVIDER-CENTER		100940				

UNLESS OTHERWISE NOTED	REMOVE ALL BURRS AND SHARP CORNERS	SPOTFACE & CHAMFER CORNER RADI - .031	MACHINE FINISH TO BE 10 PER NAS 30	TOLERANCES:
LINEAR	.005	.005	.005	.005
ANGULAR	.005	.005	.005	.005

PROD. APPS.	DATE	ISSUE DATE
100936	4-11-59	DO NOT SCALE DRAWING
100936	4-11-59	SCALE FULL
100936	4-11-59	REVISION

CARD RETAINER - HADLEY	100936
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**SECRET**

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